IOWA DEPARTMENT OF NATURAL RESOURCES WATER SUPPLY SECTION CONSTRUCTION PERMIT APPLICATION

SCHEDULE-9, Clarification-Sedimentation

Date Prepared		Project Identity						
Date Revised								
1.	Design Data:						* * "	
	Presedimentation and Sedimentation		Unit #		Unit #	L	Jnit #	
	Type of Unit Capacity (gpm)							
		Volume (gallons)						
	Length (feet)							
		Width (feet)						
		Depth (feet)						
	Detention	etention Time (hours)						
	Overflow	Overflow Rate (gpm/ft ²)						
	Sedimentation							
		Outlet Weir Loading Rate (gpd/ft)						
		ough Velocity (fpm)				_		
	Mixing and Flo							
	Type of U							
	Volume (gallons) Time (hours)						
		ow-Through Velocity (fpm)						
		5 7 1						
2.	2. For the following, reference the page of the plans or specifications where the description can be found.							
	Materials and Construction Details Page Number							
	Presedimentation		Page Number		Page Number			
	Rapid Mix							
		Flocculation						
		Sedimentation						
3.	Are mechanical sluds	ge collectors provided? Yes	7	No 🗌				
٥.	If no, what is the side slope of hopper bottom? spec. page no.							
4.	Has a drain been provided for each unit? Yes No What is the minimum air gap provided between any drain outlet and the receiving sump?							
5.	Have provisions been made to control the maximum water level? Yes No							
6.	•	nixing or flocculation basins located		a building?	Yes 🗌	No 🗌	If yes, do they	
	have covers that mee	covers that meet the criteria for ground storage reservoirs Yes No spec page no.						
7.	What provisions are	being taken to control short circuiti	ng and inle	t and outlet v	relocities?			
						spec. pag	ge no.	
8.	What precautions are	being taken to prevent clogging of	sludge wi	thdrawal pipi	ing?			
			_			spec. pag	ge no.	
9.	Diameter of sludge w	vithdrawal pipes:	inches	spec. page	no.			
10.		cleanouts provided at all changes in direction of the sludge piping to facilitate cleaning? Yes No spec. page no.						
11.	Are all valves located	d outside of the tanks? Yes No						
12.	What is the minimun	n air gap provided between any sludge outlet and the receiving sump? inches						
13.	Can the operator obse	Can the operator observe and sample sludge? Yes No Spec. page no						
14.	14. If sludge lines, collectors or basins are provided with potable water flushing systems, are cross connection control devices provided which meet AWWA standard C506 and are approved by the USC Testing Lab? Yes No No N/A							

DNR form 12-9 (R 04-04) 542-3144